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DESIGNFLEX®
A New World of Choice
for Ceiling Systems

plus capabilities
to do more



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armstrongceilings.com/photogallery

Optima Square Lay-in panels with Prelude XL 15/16" suspension system

Fine-textured panels with more large-size, standard panel options than any other product family. Offers high sound absorption.

KEY SELECTION ATTRIBUTES

- DesignFlex® options include made-to-order sizes available to ship in 3 weeks
- Optima® PB panels are part of the Sustain® portfolio, and meet the most stringent industry sustainability compliance standards today
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Items with PB suffix are manufactured with a plant-based binder
- Outstanding acoustical performance for open plan areas, both Articulation Class 180-190 and NRC 0.90-1.00
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Mold- and mildew-resistant surface
- Energy-saving high light-reflective finish
- Non-directional visual reduces scrap and installation time
- Sag-resistant large-size panels
- Compatible with TechZone® Ceiling Systems
- Item 3352 available with Create!™ printed images and patterns
- Made in the U.S.A. of domestic and global content
- Build America, Buy America (BABA) Act compliant
- 30-Year Limited System Warranty against visible sag, mold, and mildew
- 10-Year replacement panel available for items 3152, 3153

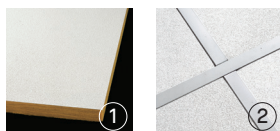


COLOR



White
(WH)

DETAILS



1. Optima® Square Lay-in
2. Optima® Square Lay-in with Prelude® XL 15/16" suspension system

OPTIMA®
OPTIMA® PB
with Plant-based Binder
Square Lay-in
fine texture



RECYCLED
CONTENT

UP TO
71%

LEED V5

Ecomedes Data

COMMON MATERIALS FRAMEWORK

Human Health	Climate Health	EPD
	Ecosystem Health	EPD
	Circular Economy	✓
OCCUPANT EXPERIENCE	Acoustics	✓

VISUAL SELECTION

armstrongceilings.com/suspdwgs	Susp. Dwg.	Item No.	Dimensions (Inches)	
OPTIMA® 15/16" Square Lay-in		1462	4 × 48 × 1"	
		1463	4 × 60 × 1"	
		1400	6 × 48 × 1"	
		1404	6 × 60 × 1"	
		3156	20 × 60 × 1"	
		3150 3150PB	24 × 24 × 3/4"	
		3152 3152PB	24 × 24 × 1"	
		3352	24 × 24 × 1"	
		3159	24 × 24 × 1-1/2"	

¹ Total Acoustics® ceiling panels have an ideal combination of sound absorption and sound blocking in one product. Optima® items with the PB suffix are included in the Sustain® portfolio and carry Declare® certification.

PERFORMANCE SELECTION Dots represent high level of performance.

UL Classified Acoustics		Total Acoustics ¹		Articulation Class	Fire Performance	Light Reflect	Bio-Block	Humi-Guard+	CleanAssure™ Disinfectable Panels	DURABILITY					30-Yr Warranty	
NRC	+ CAC =									Fog	Wash	Impact	Scratch	Soil		
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	*	*	*	*	*	*
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	*	*	*	*	*	*
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	*	*	*	*	*	*
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	*	*
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	*	*
0.90	26	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	*	*
1.00	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	*	*

MORE ITEMS ►

SUSPENSION SYSTEM

15/16"  Blizzard White – Suspension System Finish
A color and texture coordinated suspension system to complement Optima® ceiling panels for a monolithic look and feel.

PHYSICAL DATA

Material
3150, 3156, 3159, 1462, 1463, 1400, 1404, 3152 – Fiberglass with DuraBrite® acoustically transparent membrane
3352 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing
3150PB, 3152PB – Fiberglass with plant-based binder and DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
Class A: ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less. Smoke Developed Index of 50 or less (UL* labeled).

ASTM E1264 Classification
Type B, Form B2, Pattern E; Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Anti-Mold/Mildew
Ceiling panels with BioBlock® resist the growth of mold and mildew on the tile surface.

VOC Emissions
(PB suffix items only)
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017. This standard is the guideline for low emissions in LEED®, WELL Building Standard®, Living Building Challenge® (LBC), CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content
Contains greater than 50% total recycled content.
Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Application Consideration
Some items have CAC backing. CAC backing may be available as a special order. A CAC value of 37 can be achieved by backloading fiberglass products with item 769 or 770.

Insulation Value
1400, 1404, 1462, 1463, 3152, 3156, 3352, –
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)
3150 – R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)
3159 – R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

Application Consideration
Do not mix Optima panels and Optima® Health Zone® panels in the same room.

Cleaning and Disinfecting
Cleaning and CDC-recommended disinfecting options available on armstrongceilings.com/cleaning

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com/warranty

Weight; Square Feet/ Carton
1400 – 0.13 LBS/SF; 24 SF/CTN
1404 – 0.16 LBS/SF; 30 SF/CTN
1462 – 0.44 LBS/SF; 16 SF/CTN
1463 – 0.44 LBS/SF; 20 SF/CTN
3150, 3150PB – 0.44 LBS/SF; 128 SF/CTN
3152, 3152PB – 0.45 LBS/SF; 96 SF/CTN
3159 – 0.61 LBS/SF; 64 SF/CTN
3156 – 0.47 LBS/SF; 100 SF/CTN
3352 – 0.46 LBS/SF; 96 SF/CTN

Minimum Order Quantity
1 carton

Metric Items Available
3150M, 3152M, 3156M, 3159M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

OPTIMA® OPTIMA® PB

with Plant-based Binder
Square Lay-in
fine texture



SUSTAIN®
High Performance
Sustainable Ceiling Systems
(PB Suffix Only)

Declare.
(PB Suffix Only)

RECYCLED
CONTENT

UP TO
71%

LEED V5

Ecomedes Data

COMMON MATERIALS FRAMEWORK

Human Health

Climate Health

EPD

Ecosystem Health

EPD

Circular Economy

✓

OCCUPANT EXPERIENCE

Acoustics

✓

VISUAL SELECTION

armstrongceilings. com/suspdwgs	Susp. Dwg.	Item No.	Dimensions (Inches)	
OPTIMA® 15/16" Square Lay-in	1	3151 3151PB	24 × 48 × 3/4"	☐
		3153 3153PB	24 × 48 × 1"	☐
		3353	24 × 48 × 1"	☐
		3155	24 × 48 × 1-1/2"	☐
		3356	24 × 48 × 1-1/2"	☐
		3164	24 × 60 × 3/4"	☐
		3161	24 × 72 × 3/4"	☐
		3162	24 × 96 × 3/4"	☐
		3158	30 × 30 × 1"	☐
		3157	30 × 60 × 1"	☐
		3160 3160PB	48 × 48 × 1"	☐
		3154	48 × 96 × 1"	☐

PERFORMANCE SELECTION

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UL Classified Acoustics		Total Acoustics¹	Articulation Class	Fire Performance	Light Reflect	Bio-Block	Humi-Guard+	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels		DURABILITY					30-Yr Warranty
NRC	+ CAC =								Fog	Wash	Impact	Scratch	Soil			
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.90	26	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
1.00	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.95	26	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*		
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*		

¹ Total Acoustics® ceiling panels have an ideal combination of sound absorption and sound blocking in one product. Optima® items with the PB suffix are included in the Sustain® portfolio and carry Declare® certification.

FIBERGLASS – Standard

OPTIMA®
OPTIMA® PB
with Plant-based Binder
Square Lay-in
fine texture



Declare®
(PB Suffix Only)

RECYCLED
CONTENT

UP TO
71%

LEED V5

Ecomedes Data

COMMON MATERIALS FRAMEWORK

Human Health

Climate Health

EPD

Ecosystem Health

EPD

Circular Economy

✓

OCCUPANT EXPERIENCE

Acoustics

✓

VISUAL SELECTION

PERFORMANCE SELECTION Dots represent high level of performance.

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Dimensions (Inches)			UL Classified Acoustics		Total Acoustics¹		Articulation Class		Fire Performance		Light Reflect		Bio-Block		Humi-Guard+		CleanAssure™ Disinfectable Panels		DURABILITY					30-Yr Warranty
			NRC	+ CAC =			AC											Fog	Wash	Impact	Scratch	Soil		
1 Ctn Min FASTSIZE 3 WEEKS order to ship Made-to-Order Sizes OPTIMA® Visit the product page online and see "Configure an Item" to verify capabilities. Questions? email Techline@armstrongceilings.com	Non-PB 1" Thick – 15/16" Square Lay-in																							
	Width (short side)	Length (long side)																						
	4" – 6"	9" – 72"	N/A	N/A	N/A	N/A	Class	0.88	*	*	N/A	*	*	*	*	*	*	*	*	*	*	*		
	6-1/6" – 48"	9" – 120"					A	*																
Non-PB 1-1/2" Thick – 15/16" Square Lay-in																								
4" – 6"	9" – 72"	N/A	N/A	N/A	N/A	Class	0.88	*	*	N/A	*	*	*	*	*	*	*	*	*	*	*			
6-1/16" – 42"	9" – 120"					A	*																	
42-1/6" – 48"	42-1/6" – 114"																							
PB 1" Thick – 15/16" Square Lay-in																								
4" – 6"	9" – 72"	N/A	N/A	N/A	N/A	Class	0.88	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
6-1/16" – 24"	9" – 96"					A	*																	
24-1/16" – 29-15/16"	24-1/16" – 72"																							
30" – 48"	30" – 60"																							

1 Total Acoustics® ceiling panels have an ideal combination of sound absorption and sound blocking in one product.
Optima® items with the PB suffix are included in the Sustain® portfolio and carry Declare® certification.

SUSPENSION SYSTEM

15/16"



Blizzard White – Suspension System Finish
A color and texture coordinated suspension
system to complement Optima® ceiling panels
for a monolithic look and feel.

PHYSICAL DATA

Material

3153, 3155, 3158 – Fiberglass with DuraBrite® acoustically
transparent membrane;
3353, 3356 – Fiberglass with DuraBrite acoustically transparent
membrane; CAC backing
3151PB, 3153PB, 3160PB – Fiberglass with plant-based binder
and DuraBrite® acoustically transparent membrane

Surface Finish

DuraBrite scrim with factory-applied latex paint

Fire Performance

Class A: ASTM E84 and CAN/ULC S102 surface
burning characteristics. Flame Spread Index of 25 or
less. Smoke Developed Index of 50 or less (UL® labeled).

ASTM E1264 Classification

Type B, Form B2, Pattern E; Fire Class A

Humidity/Sag Resistance

HumiGuard® Plus ceiling panels are recommended
for areas subject to high humidity, up to, but not
including, standing water and outdoor applications.

Anti-Mold/Mildew

Ceiling panels with BioBlock® resist the growth
of mold and mildew on the tile surface.

VOC Emissions

(PB suffix items only)

Third-party certified compliant with California Department of Public
Health CDPH/EHLB/Standard Method Version 1.2, 2017. This
standard is the guideline for low emissions in LEED®, WELL Building
Standard®, Living Building Challenge® (LBC), CalGreen Title 24,
ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building
Assessment Protocol.

High Recycled Content

Contains greater than 50% total recycled content.
Total recycled content based on product composition
of post-consumer and pre-consumer (post-industrial)
recycled content per FTC guidelines.

Acoustical Details

Some items have CAC backing. CAC backing may be available as a
special order. A CAC value of 37 can be achieved by backloading
fiberglass products with item 769 or 770.

Insulation Value

3153, 3158, 3353, 3154, 3160, 3157 –
R Factor – 4.0 (BTU units),
R Factor – 0.70 (Watts units)
3151, 3161, 3162, 3164 –
R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)
3155, 3356 –
R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

Application Consideration

Do not mix Optima® panels and Optima® Health Zone™
panels in the same room.

Cleaning and Disinfecting

Cleaning and CDC-recommended disinfecting options
available on armstrongceilings.com/cleaning

30-Year Performance Guarantee & Warranty

When installed with Armstrong® Suspension System.
Details at armstrongceilings.com/warranty

Weight: Square Feet/ Carton

3151, 3151PB – 0.44 LBS/SF; 128 SF/CTN
3153, 3153PB, 3160, 3160PB – 0.45 LBS/SF; 96 SF/CTN
3356 – 0.61 LBS/SF; 64 SF/CTN
3158 – 0.47 LBS/SF; 75 SF/CTN
3353 – 0.46 LBS/SF; 96 SF/CTN
3154 – 0.45 LBS/SF; 128 SF/CTN
3157 – 0.56 LBS/SF; 100 SF/CTN
3161 – 0.43 LBS/SF; 96 SF/CTN
3164 – 0.43 LBS/SF; 100 SF/CTN
3162 – 0.42 LBS/SF; 128 SF/CTN

Minimum Order Quantity

1 carton

Metric Items Available

3151M, 3153M, 3154M, 3155M, 3158M,
3160M, 3353M, 3356M – Metric items are
subject to extended lead times and minimum
quantities. Contact your representative for
more details.